

Title (en)
TARGETING OF GLUTEN BY GENOME EDITING

Title (de)
TARGETING VON GLUTEN DURCH GENOMEDITIERUNG

Title (fr)
CIBLAGE DE GLUTEN PAR ÉDITION GÉNIQUE

Publication
EP 3634983 A1 20200415 (EN)

Application
EP 18728895 A 20180605

Priority
• EP 17382335 A 20170605
• EP 2018064791 W 20180605

Abstract (en)
[origin: WO2018224508A1] The present invention relates to methods for producing wheat lines that are low gliadin, low-gluten and transgene-free using genome editing. Also described are nucleic acid constructs and sgRNA molecules for use in genome editing, as well as genetically altered plants obtained by these methods.

IPC 8 full level
C07K 14/415 (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP US)
A23L 25/00 (2016.07 - US); **C07K 14/415** (2013.01 - EP); **C12N 15/11** (2013.01 - US); **C12N 15/8213** (2013.01 - EP US); **C12N 15/8218** (2013.01 - EP); **C12N 15/8251** (2013.01 - EP); **A23V 2002/00** (2013.01 - US); **C12N 2310/20** (2017.04 - US); **C12N 2800/80** (2013.01 - US)

Citation (search report)
See references of WO 2018224508A1

Designated contracting state (EPC)
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BA ME

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EP 2018064791 W 20180605; EP 18728895 A 20180605; US 201816619180 A 20180605